



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING I	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/770,112	01/24/2	2001	Jean-Michel Moutin	859063.490	5354
500	7590 07/31/2006			EXAMINER	
		PROPERTY	WONG, ALLEN C		
701 FIFTH A SUITE 6300	VE		ART UNIT	PAPER NUMBER	
	WA 98104-70	92	2621		

DATE MAILED: 07/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner		Application No.	Applicant(s)					
Allen Wong 2621		09/770,112	MOUTIN, JEAN-MICHEL					
The MAILNO DATE of this communication appears on the cover sheet with the correspondence address—Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Edentification of the map be ambide invoire the provides of 37 CFR 1.13(b), in the ownth owner, may a righ, but beingly filled in the provided of the map beingly filled in the provided of 18 (PA) 1.13(b), in the ownth owner, may a righ, but beingly filled in the provided of 18 (PA) 1.13(b), in the ownth owner, may a righ, but be involved in the provided of 18 (PA) 1.13(c), in the ownth owner, may a righ, but beingly involved in the provided of 18 (PA) 1.13(c), in the ownth owner, may a right the simple of the communication. Published the provided by the third side when the maintenant statistics profid will apply and use pre-18 (#) 0.13(c). Singly of 18 (PA) 1.13(c) 1.13(Office Action Summary	Examiner	Art Unit					
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. **state SIX (8) MONTH'S from the railing date of the communication. **Likely, in one weak, however, may a reply be firmly filed at the state of the communication. **Likely, in one weak, the work, may a reply be firmly filed at the communication. **Likely, in the weak, the work, may be an early be for reply is squiffled above, the maximum station profeed will apply and will expent \$2(9) MONTH'S from the railing date of this communication. **Pallule to reply which is not or extended patient term adjustment. See 37 CFR 1.704(b). **Status** 1)		•						
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Editedions of time may be waited burden the provides of 37 CFR 1.30(a). In a overth, however, may a reply be timely filed after SX (8) MCNTHS from the mailing date of this communication. Fallwate to reply which the safe created deprind for myst. With by static, cause the supplication of the communication. Plants or the communication and the communication of t	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
1) Responsive to communication(s) filed on <u>08 May 2006</u> . 2a) This action is FINAL. 2b	WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any							
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are eljected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of Parlspersor's Patent Drawing Review (PTO-948) 3) Notice of Informal Patent Application (PTO-152)	Status							
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are eljected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of Parlspersor's Patent Drawing Review (PTO-948) 3) Notice of Informal Patent Application (PTO-152)	1) Responsive to communication(s) filed on 08 Ma	av 2006.						
Closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to by the Examiner. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1.□ □ Certified copies of the priority documents have been received. 2.□ □ Certified copies of the priority documents have been received in Application No 3.□ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Draftsperson's Patent Organizing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) □ Notice of Draftsperson's Patent Organizing Review (PTO-948) 5) □ Notice of Informal Patent Application (PTO-152)		· · · · · · · · · · · · · · · · · · ·						
Closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to by the Examiner. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1.□ □ Certified copies of the priority documents have been received. 2.□ □ Certified copies of the priority documents have been received in Application No 3.□ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Draftsperson's Patent Organizing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) □ Notice of Draftsperson's Patent Organizing Review (PTO-948) 5) □ Notice of Informal Patent Application (PTO-152)	3) Since this application is in condition for allowan	,						
4) Claim(s) 1-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Oraftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Internation (PTO-152)								
4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ☒ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) \ Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☒ All b) □ Some * c) □ None of: 1. ☒ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Praftsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) □ Notice of Informal Patent Application (PTO-152)	Disposition of Claims		,					
4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ☒ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) \ Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☒ All b) □ Some * c) □ None of: 1. ☒ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) □ Notice of Praftsperson's Patent Drawing Review (PTO-948) 3) □ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) □ Notice of Informal Patent Application (PTO-152)	4) Claim(s) 1-27 is/are pending in the application							
5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Notice of Informal Patent Application (PTO-152)								
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some c None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SS/08) 5) Notice of Informal Patent Application (PTO-152)	<u> </u>							
8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some column for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of Praftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/S8/08) 5) Notice of Informal Patent Application (PTO-152)								
Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☒ All b) ☐ Some * c) ☐ None of: 1. ☒ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) ☐ Notice of Informal Patent Application (PTO-152)	7) Claim(s) is/are objected to.							
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some clim None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)	8) Claim(s) are subject to restriction and/or	election requirement.	,					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)	Application Papers							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)	9) The specification is objected to by the Examiner							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)								
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some * c) ☐ None of: 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)								
Priority under 35 U.S.C. § 119 12)								
a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)	1		· - ,					
a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. & 119(a)_(d) or (f)							
1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) ☐ Notice of References Cited (PTO-892) 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 1 ☐ Notice of Informal Patent Application (PTO-152)								
2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)								
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 5) Notice of Informal Patent Application (PTO-152)								
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) * See the attached detailed Office action for a list of the certified copies not received. 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application (PTO-152)	· · · · · · · · · · · · · · · · · · ·							
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application (PTO-152)	•							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application (PTO-152)	* See the attached detailed Office action for a list of the certified copies not received.							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application (PTO-152)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application (PTO-152)		•						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date. 5) Notice of Informal Patent Application (PTO-152)	Attachment(s)		,					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152)		4) Interview Summary	(PTO-413)					
	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	nte					
	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	_	atent Application (PTO-152)					

Art Unit: 2621

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 5/8/06 have been fully considered but they are not persuasive.

Regarding lines 12-13 on page 8 and line 6 on page 9 of applicant's remarks, applicant asserts that Sun does not disclose prioritizing the received coded images. The examiner respectfully disagrees. In figure 8, Sun discloses the elements 60, 61 and 65 that receive the prioritized data of the coded image data. Thus, Sun discloses prioritizing the received coded images.

Regarding lines 10-11 on page 9 of applicant's remarks, applicant states that Sun does not disclose decoding the coded images using the single MPEG decoder. The examiner respectfully disagrees. In figure 8, Sun discloses the variable length decoder 64 that decodes the image data sequences. Thus, Sun discloses the decoding the coded images using the single MPEG decoder, thereby decoded images of first and second images sequences. Thus, Sun is an appropriate primary reference.

Regarding line 22 and lines 25-27 on page 9 of applicant remarks, applicant states that Fukushima teaches away from the present invention, and that the combination of Sun and Fukushima would not yield the present invention. The examiner respectfully disagrees. Fukushima teaches the decoding images from more than one MPEG stream, as noted in Fukushima's figure 4, where elements 115-118 are MPEG decoders that can decode images from more than one MPEG stream. Also

Art Unit: 2621

Fukushima discloses elements 12 and 22 of figs.7, 12, 13, and 15, as well as figure 10, elements 231 and 232. So Fukushima was applied to meet the deficiencies of Sun.

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See In re Fine, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and In re Jones, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Fukushima, as a whole, for efficiently decoding high quality images, saving financial costs by robustly reducing hardware requirements, as disclosed in Fukushima's column 3, lines 58-64.

The test for obviousness is not whether the features of a secondary reference may be bodily incorporated into the structure of the primary reference; nor is it that the claimed invention must be expressly suggested in any one or all of the references.

Rather, the test is what the combined teachings of the references would have suggested to those of ordinary skill in the art. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981).

One cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413,

Art Unit: 2621

208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

Thus, the combination of Sun and Fukushima is appropriate and reasonably combinable because both Sun and Fukushima pertain to the same, analogous MPEG encoding/decoding environment.

Claims 17 and 27 are rejected for similar reasons as claim 10.

1. Regarding lines 21-23 on page 10 of applicant's remarks, applicant asserts that Sun, Fukushima and Oku does not disclose or suggest an MPEG decoder... structured to decode several coded images from at least two MPEG streams simultaneously in a plurality of periods, and that Fukushima teaches away from using a priority to simultaneously to decode more than one MPEG stream. The examiner respectfully disagrees. In response to applicant's argument that Sun, Fukushima and Oku are not combinable, the test for obviousness is not whether the features of a secondary reference may be bodily incorporated into the structure of the primary reference; nor is it that the claimed invention must be expressly suggested in any one or all of the references. Rather, the test is what the combined teachings of the references would have suggested to those of ordinary skill in the art. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981).

The examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art.

Art Unit: 2621

See In re Fine, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and In re Jones, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Fukushima, as a whole, for efficiently decoding high quality images, saving financial costs by robustly reducing hardware requirements, as disclosed in Fukushima's column 3, lines 58-64.

Regarding lines 4-8 on page 11 of applicant's remarks, applicant argues that Sun is not an appropriate primary reference because it does not disclose or suggest "a priority assignment circuit…" as in claim 1 or "prioritizing the decoding commands…" as in claim 8. The examiner respectfully disagrees. In column 8, lines 19-26, Sun discloses the decoding commands inputted from 370 are then relayed to the decompress controller 360 and then to element 64, where decoder state sequence or image type is sequenced or prioritized during decoding. Thus, Sun discloses "a priority assignment circuit…" or "prioritizing the decoding commands…".

Regarding lines 13-15 on page 11 of applicant's remarks, applicant states that Oku does not disclose decoding priority levels to image sequences during a synchronization period, let alone priority assignments based on image type. And how Sun, Fukushima and Oku would not disclose or suggest the present invention. The examiner respectfully disagrees. As stated above, in column 8, lines 19-26, Sun discloses the decoding commands inputted from 370 are then relayed to the decompress controller 360 and then to element 64, where decoder state sequence or image type is sequenced or prioritized during decoding. Sun does not specifically disclose the series of synchronizing periods, however, Oku teaches the use of

Art Unit: 2621

synchronization periods, as disclosed in figure 11, where the use of horizontal and vertical synchronization signals with the display period. Therefore, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Oku, as a whole, for efficiently and precisely decoding image data by minimized circuitry, memory and hardware requirements, as disclosed in Oku column 3, lines 25-48.

Sun and Oku do not specifically disclose decoding images from more than one MPEG stream. However, Fukushima teaches the decoding images from more than one MPEG stream, as disclosed in fig.4, where elements 115-118 are MPEG decoders that can decode images from more than one MPEG stream, and also see elements 12 and 22 of figs.7, 12, 13, and 15, and see fig 10, elements 231 and 232. Therefore, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Fukushima, as a whole, for efficiently decoding high quality images, saving financial costs by robustly reducing hardware requirements, as disclosed in Fukushima's column 3, lines 58-64.

Dependent claims 2-7 and 25 depend from claim 1, and claims 9 and 26 depend from claim 8, and claims 11-16 are rejected for similar reasons as stated above and in the rejection below.

Regarding lines 6-8 on page 12 of applicant's remarks, applicant asserts that Sun, Fukushima and Oku, separately or in combination, do not disclose or suggest an MPEG decoder configured to decode a plurality of MPEG image sequences in parallel. The examiner respectfully disagrees. In Fukushima's figure 4, there are decoders 115-116, 117 and 118 that are decoders used to decode MPEG images, and that elements

Art Unit: 2621

115-118 are in parallel of one another. Thus, when using Fukushima in combination with Sun and Oku as a whole, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Fukushima, as a whole, for efficiently decoding high quality images, saving financial costs by robustly reducing hardware requirements, as disclosed in Fukushima's column 3, lines 58-64.

Thus, the rejection is maintained.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 10, 17 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sun (5,455,629) in view of Fukushima (6,477,204).

Regarding claims 10, 17 and 27, Sun discloses a method for decoding a plurality of MPEG sequences simultaneously using a single MPEG decoder, comprising:

receiving first and second image sequences of coded images (fig.8, note image sequence data is received at element 65);

receiving a stream of decoding commands, each decoding command corresponding to a respective one of the coded images (col.12, In.33-52 and fig.8, element 360 receives decoding commands and element 370 functions together with 360 for processing decoding commands of the image data);

Art Unit: 2621

prioritizing the coded images (fig.8, note elements 60, 61 and 65 receive the priority data of the coded image data);

decoding the coded images using the single MPEG decoder, thereby producing decoded images of first and second images sequences (fig.8, element 64 is the variable length decoder that decodes the image data sequences);

saving the decoded images (fig.8, element 66, 314 and 316 store decoded image data).

Sun does not specifically disclose decoding images from more than one MPEG stream. However, Fukushima teaches the decoding images from more than one MPEG stream (fig.4, note elements 115-118 are MPEG decoders that can decode images from more than one MPEG stream; also see elements 12 and 22 of figs.7, 12, 13, and 15; see fig 10, elements 231 and 232). Therefore, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Fukushima, as a whole, for efficiently decoding high quality images, saving financial costs by robustly reducing hardware requirements (Fukushima's col.3, In.58-64).

Claims 1-9, 11-16 and 18-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sun (5,455,629) and Oku (5,880,786) in view of Fukushima (6,477,204).

Regarding claims 1, 8, 18-19, 22, 23 and 24-26, Sun discloses a device and method for prioritizing MPEG images to be decoded, comprising:

receiving first and second image sequences of coded images, each coded image having an image type that is one of a plurality of image types (fig.8, note image

Art Unit: 2621

sequence data is received at element 65, and col.1, In.26-28 disclose I, P and B images are plural image types of MPEG);

receiving a stream of decoding commands in a series of synchronizing periods, each decoding command corresponding to a respective one of the coded images (col.12, ln.33-52 and fig.8, element 360 receives decoding commands and element 370 functions together with 360 for processing decoding commands of the image data);

adding each decoding command to a priority list (fig.8, note elements 60, 61 and 65 receive the priority data of the coded image data);

prioritizing the decoding commands by assigning to each decoding command a priority level based on the image type of the coded image corresponding to the decoding command (col.8, ln.19-26, note decoding commands inputted from 370 are then relayed to the decompress controller 360 and then to element 64, where decoder state sequence or image type is sequenced or prioritized during decoding);

decoding the coded images in a priority order based on the priorities assigned to the coded images, thereby producing first and second images sequences of decoded images (fig.8, element 64 is the variable length decoder that decodes the image data sequences); and

displaying the first and second image sequences (fig.8, note image data is displayed at VIDEO OUT, where a video display RAM precedes the video output).

Although Sun does not specifically disclose the series of synchronizing periods, however, Oku teaches the use of synchronization periods (fig.11; note the use of horizontal and vertical synchronization signals with the display period). Therefore, it

Art Unit: 2621

would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Oku, as a whole, for efficiently and precisely decoding image data by minimized circuitry, memory and hardware requirements (Oku col.3, In.25-48).

Sun and Oku do not specifically disclose decoding images from more than one MPEG stream. However, Fukushima teaches the decoding images from more than one MPEG stream (fig.4, note elements 115-118 are MPEG decoders that can decode images from more than one MPEG stream; also see elements 12 and 22 of figs.7, 12, 13, and 15; see fig 10, elements 231 and 232). Therefore, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Fukushima, as a whole, for efficiently decoding high quality images, saving financial costs by robustly reducing hardware requirements (Fukushima's col.3, In.58-64).

Regarding claims 2 and 20, Sun discloses wherein the decoder control circuit further includes a pointer memory for storing the beginning addresses of each of the images to be displayed (fig.8, element 370 and 360 are used to aid the storage of images to be displayed).

Regarding claim 3, Sun discloses wherein said decoder control circuit further includes a safety circuit for adding a predetermined header before each image provided to the decoder so that two images put end to end cannot form a code that causes a malfunction of the decoder (fig.2, note headers are inserted to differentiate image as seen in L3 where a picture type and header can be used, further, there are more headers that can be utilized to prevent decoder malfunctions).

Art Unit: 2621

Regarding claim 4, Sun discloses wherein the device includes the MPEG decoder, and the MPEG decoder is connected to the decoder control circuit (col.12, ln.15-17).

Regarding claim 5, Sun discloses further comprising:

a memory that stores coded data and decoded data (fig.8, element 316); a first bus that connects the decoder control circuit to the memory (fig.8, note connection between elements 360 and 316); a display control circuit connected between a screen and the first bus (fig.8, element 370 connected to user input and the video display RAM); and a microprocessor connected by a second bus to the decoder control circuit and the display control circuit (fig.8, note connections are interconnected between elements 306, 308, 360 and 370).

Regarding claims 6, 7, 15, 16 and 21, the examiner takes Official Notice because interlace and non-interlace or progressive images are typically used and well known in MPEG.

Regarding claims 9 and 14, Sun discloses prioritizing the decoding commands by assigning to each decoding command a priority level based on the image type of the coded image corresponding to the decoding command (col.8, In.19-26, note decoding commands inputted from 370 are then relayed to the decompress controller 360 and then to element 64, where decoder state sequence or image type is sequenced or prioritized during decoding) and assigning a higher priority to the first image (fig.8, note HP is the higher priority and LP is the lower priority).

Art Unit: 2621

Sun does not specifically disclose the use of synchronizing periods, however, Oku teaches the use of synchronization periods (fig.11; note the use of horizontal and vertical synchronization signals with the display period). Therefore, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Oku, as a whole, for efficiently and precisely decoding image data by minimized circuitry, memory and hardware requirements (Oku col.3, In.25-48).

Regarding claims 11-13, Sun discloses prioritizing the decoding commands by assigning to each decoding command a priority level based on the image type of the coded image corresponding to the decoding command (col.8, In.19-26, note decoding commands inputted from 370 are then relayed to the decompress controller 360 and then to element 64, where decoder state sequence or image type is sequenced or prioritized during decoding).

Sun does not specifically disclose the series of synchronizing periods, however, Oku teaches the use of synchronization periods (fig.11; note the use of horizontal and vertical synchronization signals with the display period). Therefore, it would have been obvious to one of ordinary skill in the art to combine the teachings of Sun and Oku, as a whole, for efficiently and precisely decoding image data by minimized circuitry, memory and hardware requirements (Oku col.3, In.25-48).

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

Art Unit: 2621

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen Wong whose telephone number is (571) 272-7341. The examiner can normally be reached on Mondays to Thursdays from 8am-6pm Flextime.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James J. Groody can be reached on (571) 272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Allen Wong
Primary Examiner
Art Unit 2621

AW 7/24/06